

Comparisons of Job Characteristics

Focus Occupation: Environmental Science Teachers, Postsecondary (25-1053)

Associated Occupation: Conservation Scientists (19-1031)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Environmental Science Teachers, Postsecondary (25-1053)

Associated Occupation: Conservation Scientists (19-1031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Biology	3.7	16.2	18.9	>	Current knowledge level is likely sufficient
Geography	3.9	14.3	15.1	0	Current knowledge level may be sufficient
Law and Government	5.9	11.4	6.7	<<	Extensive education and/or training may be required
History and Archeology	2.6	9.0	7.5	<	Expanded education and/or training may be required
Food Production	2.1	5.5	1.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Environmental Science Teachers, Postsecondary (25-1053)

Associated Occupation: Conservation Scientists (19-1031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Science	4.5	9.3	15.1	>>	Skill level is likely more than sufficient
Systems Analysis	6.5	9.3	10.1	0	Current skill level may be sufficient
Operations Analysis	5.0	9.0	9.1	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Environmental Science Teachers, Postsecondary (25-1053)
Associated Occupation: Conservation Scientists (19-1031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Expression	12.4	14.7	17.3	>	Current ability level is likely sufficient
Oral Comprehension	12.5	14.0	17.1	>	Current ability level is likely sufficient
Written Comprehension	11.0	13.7	17.9	>>	Current ability level is likely more than sufficient
Problem Sensitivity	11.1	13.0	10.2	<	Some improvement in abilities may be required
Speech Clarity	10.2	12.7	16.2	>>	Current ability level is likely more than sufficient
Deductive Reasoning	10.6	12.6	13.8	0	Current ability level may be sufficient
Inductive Reasoning	10.2	12.2	13.8	>	Current ability level is likely sufficient
Written Expression	9.8	12.1	17.6	>>	Current ability level is likely more than sufficient
Speech Recognition	9.9	12.0	10.0	<	Some improvement in abilities may be required
Far Vision	7.8	10.5	5.3	<<	Extensive improvement in abilities may be required
Originality	7.6	10.1	9.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Environmental Science Teachers, Postsecondary (25-1053)
Associated Occupation: Conservation Scientists (19-1031)

Work Activities	Exclusivity of Activity
Advise governmental or industrial personnel	28
Analyze scientific research data or investigative findings	27
Conduct research on work-related topics	44
Convert information into instructional program	38
Direct and coordinate scientific research or investigative studies	27
Use knowledge of environmental laws and regulations	76
Use library or online Internet research techniques	21
Use oral or written communication techniques	1
Use pollution control techniques	62
Use public speaking techniques	13
Use teaching techniques	29
Write research or project grant proposals	33
Write scholarly or technical research papers	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Environmental Science Teachers, Postsecondary (25-1053)
Associated Occupation: Conservation Scientists (19-1031)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.